REMARKS

Introduction

Claims 1 and 25 have been amended; claims 16 and 29 have been cancelled. The application now includes claims 1, 12, 15, 17, 18, 20, 21, 23, 25, 27, 28, 30-33, and 35. Reconsideration of the rejection of the application is respectfully requested in view of following remarks.

The Claims are Allowable because the Prior Art Fails to Disclose that Documentation for a Control is Integrated with the Help System During its Installation into the IDE, the IDE Issues a Context ID to the Help Display when a Context-Sensitive Help Gesture is Performed, and the Help System is Integrated with an Extension Installation Mechanism of the IDE

Claims 1, 12, 15-18, 21, 23, 25, 27-31 and 33-35 are rejected under 35 U.S.C. §103(a) as being unpatentable over Coulthard et al., U.S. Publication No. 2004/003091 ("Coulthard"), in view of Adams et al. ("Help – Part 1 Contributing a little help," hereinafter "Adams"), and Cohen et al., U.S. Patent No. 7,024,658 ("Cohen"). Claims 20 and 32 were rejected under 35 U.S.C. §103(a) as being unpatentable over Coulthard, Adams, and Cohen, and further in view of Chong et al., U.S. Patent Pub. No. 2002/0184610 ("Chong").

Reconsideration of these rejections is respectfully requested because the combination of cited art fails to disclose or suggest, at least, "wherein when a control is installed, documentation for the control is integrated with the help system during the installation of the control into the integrated development environment," "wherein the integrated development environment issues a context ID to the help display when a

context-sensitive help gesture is performed," "wherein the context ID comprises a URN that is a fully qualified Java class name for control classes or an analogous hierarchical name for non-class items," and "wherein the help system is integrated with an extension installation mechanism of the integrated development environment," as recited in claim 1 and similarly recited in claim 25.

One embodiment of the present invention includes a system that extends an online help system and display when an integrated development environment (IDE) extension is imported into an integrated development environment. (*See*, for example, Specification, page 6). An advantage is that it obviates a number of problems associated with extending a development environment and its associated help systems, such as requiring a developer to take a number of manual steps, often in a different environment, or using a different set of tools in the same environment. (*See*, for example, Specification, pages 1-2). In addition, certain embodiments provide a system in which the integration of the help content of the IDE extension is automatic from the user's and the extension/control developer's points of view. (*See*, for example, Specification, page 5).

Further, according to some embodiments, the IDE can invoke a help system when the IDE notices a new IDE extension or control is being installed. At that time, the help system can merge the help content and table of contents provided by the added component with the current help content and table of contents. (*See*, for example, Specification, page 14). In addition, in one embodiment, the IDE can be responsible for resolving the correct context ID when a user performs a context-sensitive help gesture

on a widget in the UI. The IDE can then pass the context ID on to the help system, which can use the context ID to look up the topic and drive the help display to that topic. (*See* Id). In one embodiment, the context ID includes a URN that is a fully qualified Java class name for control classes or an analogous hierarchical name for non-class items. (*See*, for example, Specification, page 9).

In contrast to embodiments of the present invention, none of the cited prior art is directed to integrating documentation for a control with the help system during the installation of the control into the IDE, issuing a context ID to the help display when a context-sensitive help gesture is performed, or integrating the help system with an extension installation mechanism of the IDE.

Coulthard only discloses a help mechanism that allows tools to define and contribute documentation to one or more online help books, such as a user guide or programmer guide (Coulthard, paragraph 0008). Coulthard, however, fails to disclose integrating documentation for a control with the help system during the installation of the control into the IDE, issuing a context ID to the help display when a context-sensitive help gesture is performed, or integrating the help system with an extension installation mechanism of the IDE. In fact, Coulthard does not provide any specific disclosure as to how the tool is imported or integrated with the help mechanism disclosed therein.

Coulthard, as mentioned above, only states that, "[t]he Eclipse Help mechanism allows tools to define and contribute documentation to one or more online books…a tool usually contributes help style documentation in a user guide, and API documentation, if any, in a separate programmer guide." (Coulthard, paragraph 0008). Coulthard does

not disclose, however, that documentation for a control is integrated with the help system during its installation, that a context ID is issued, or that the help system is integrated with an extension installation mechanism of the IDE.

Additionally, Applicants submit that Adams and Cohen do not cure the deficiencies in Coulthard outlined above. Adams discloses that the Eclipse Platform's help system defines two extension points ("toc" and "contexts") that allow individual plug-ins to contribute online help and context-sensitive help for their components. (Adams, page 1). Adams, like Coulthard, does not disclose integrating documentation for a control with the help system during the installation of the control into the IDE, issuing a context ID to the help display when a context-sensitive help gesture is performed, or integrating the help system with an extension installation mechanism of the IDE.

Cohen also fails to cure the deficiencies in Coulthard and Adams. Cohen discloses a help facility for a software application that enables an author to generate help files that specify content to be displayed and an interactive link. (Cohen, Column 2, lines 3-6). Cohen further discloses that a file structure may be used with the help facility. The file structure may be composed of directories, sub-directories, files and links. The file structure may include a base directory level, a category directory level, a help topic level, and a help file level. Two help files, index.html and listing.html, are used for each help topic. The index.html file includes HTML statements or code that define the content, layout and interactive links presented to the user. (Cohen, Column 8, lines 30-60).

Cohen, like Coulthard and Adams, fails to disclose integrating documentation for a control with the help system during the installation of the control into the IDE, issuing a context ID to the help display when a context-sensitive help gesture is performed, or integrating the help system with an extension installation mechanism of the IDE. In particular, Cohen makes no mention of an IDE or context ID.

The Office Action appears to have cited Column 2, lines 50-65 of Cohen as allegedly disclosing that the IDE issues a context ID to the help display when context-sensitive help gesture is performed. (*See* Office Action, page 4). The cited section of Cohen describes enabling a software application to record a sequence of user operations performed within the application, and enabling a user to generate one or more help files which specify help content to be presented and at least one interactive link that performs the recorded sequence of operations when activated. (Cohen, Column 2, lines 51-57). The generated help files may then be displayed as a help page in the help facility. (Cohen, Column 2, lines 57-58). The help facility can access the generated help files upon detecting that the files exist in a predetermined location within a local file structure accessible to the help facility. (Cohen, Column 2, lines 59-62). Responsive to user input, the help facility may selectively perform the operations associated with the interactive link based on a state of the application. (Cohen, Column 2, lines 62-65).

Therefore, the cited sections of Cohen merely disclose recording a sequence of user operations, generating help files that specify help content to be presented and a link that performs the recorded sequence of user operations when it is activated. Cohen

further discloses that the help facility can perform the operations associated with the link in response to user input.

In the Response to Arguments section, the Office Action acknowledges that none of the cited references explicitly mention a context ID (Office Action, page 9). Since none of the cited references disclose a context ID, Applicants submit that the cited references cannot disclose or suggest that the IDE issues a context ID to the help display when a context-sensitive help gesture is performed, as recited in the present claims. Moreover, it is clear that none of the cited references disclose or suggest that the context ID includes a URN that is a fully qualified Java class name for control classes or an analogous hierarchical name for non-class items, as recited in claims 1 and 25. As such, it is respectfully submitted that the Office Action has failed to provide a prima facie case for obviousness as the cited references do not disclose or suggest all of the elements of the present claims.

Thus, the combination of Coulthard, Adams, and Cohen fails to disclose or suggest issuing a context ID to the help display when a context-sensitive help gesture is performed, integrating documentation for a control with the help system during the installation of the control into the IDE, or integrating the help system with an extension installation mechanism of the IDE. In fact, as acknowledged by the Office Action, Coulthard, Adams, and Cohen do not even mention a context ID and, therefore, cannot disclose or suggest that the IDE issues a context ID to the help display when a context-sensitive help gesture is performed. Further none of the references disclose or suggest

that the context ID includes a URN that is a fully qualified Java class name for control classes or an analogous hierarchical name for non-class items.

Chong does not cure the deficiencies in Coulthard, Adams, and Cohen. Chong merely discloses the ability to save to a single archive file, such as JAR file. Chong, however, does not disclose integrating documentation for a control with the help system during the installation of the control into the IDE, issuing a context ID to the help display when a context-sensitive help gesture is performed, or integrating the help system with an extension installation mechanism of the IDE.

Therefore, Coulthard, Cohen, Adams, and Chong, whether considered individually or combined, fail to disclose or suggest, at least, "wherein when a control is installed, documentation for the control is integrated with the help system during the installation of the control into the integrated development environment," "wherein the integrated development environment issues a context ID to the help display when a context-sensitive help gesture is performed," "wherein the context ID comprises a URN that is a fully qualified Java class name for control classes or an analogous hierarchical name for non-class items," and "wherein the help system is integrated with an extension installation mechanism of the integrated development environment," as recited in claim 1 and similarly recited in claim 25.

For at least the reasons outlined above, independent claim 1, and independent claim 25, which recites similar limitations, are allowable over the cited prior art. The remaining claims depend from one of the above independent claims and should also be allowable for at least the above reasons.

Additionally, Applicant submits that the combination of Coulthard, Adams, Chong, and Cohen fails to disclose or suggest, "wherein the context-sensitive help topics are organized by a context ID," and "wherein the context ID is a fully qualified name from a non-Java resource," as recited in claims 15, 17, 28, and 30. As discussed above, the Office Action acknowledged that none of the cited references explicitly disclose a context ID. Accordingly, none of the cited references can disclose a context ID for organizing the context-sensitive help topics. As a result, the cited references also do not disclose or suggest that the context ID is a fully qualified name from a non-Java resource.

For at least the above-noted reasons, Applicant respectfully requests that the rejections be withdrawn and the claims allowed.

Conclusion

Applicant respectfully requests favorable action in connection with this application.

The Examiner is invited and urged to contact the undersigned to discuss any matter concerning this application.

No fee should be required for this submission. However, should any fee be required, the Commissioner is authorized to charge any such fee to Counsel's Deposit Account 50-2222.

Respectfully submitted,

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